



IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A data communication apparatus, comprising:

a memory space;

~~service defining means for defining, in the memory space, a service and a service memory field to which the service is applied; and~~

~~PIN-code service defining means for defining a PIN-code service which verifies a PIN code before performing the service.~~

a service memory field in the memory space, the service memory field being comprised of one or more user blocks, each of the user blocks storing data for providing a corresponding service;

two or more service defining blocks in the memory space, each of the service defining blocks including a service definition data and an access right data which defines an access right to a corresponding user block; and

a PIN-code service definition block in the memory space for defining a PIN-code service which verifies a PIN code before the service is provided, wherein

the PIN-code service defining block includes a PIN-code service block configured to store PIN-code service data so that the PIN-code or the necessity to input the PIN-code vary from one access right to another relative to the corresponding user block, and

the one or more user blocks are accessed by using any of the corresponding two or more service defining blocks.

Claim 2 (Currently Amended): A data communication apparatus according to Claim 1, further comprising ~~area defining means for defining an area including one or more service~~

~~memory fields provided in the memory space~~ an area definition block for defining an area including one or more service memory fields provided in the memory space.

Claim 3 (Original): A data communication apparatus according to Claim 2, wherein the PIN-code service defining means defines a PIN-code service which verifies a PIN code before accessing the area.

Claim 4 (Original): A data communication apparatus according to Claim 1, further comprising overlap-service defining means for defining another service applied to the service memory field which has already been provided by the service defining means.

Claim 5 (Original): A data communication apparatus according to Claim 4, wherein the PIN-code service defining means defines a PIN-code service which verifies a PIN code before performing said overlapped another service.

Claim 6 (Original): A data communication apparatus according to Claim 1, further comprising verification control means for setting verification of PIN code performed by the PIN-code service to effective or ineffective.

Claim 7 (Currently Amended): A method for managing a memory in a data communication apparatus including memory space, the method comprising:

a service defining step of defining, in the memory space, a service and a service memory field to which the service is applied, the service memory field being comprised of one or more user blocks, each of the user blocks storing data for a corresponding service;

defining an access right to two or more service defining blocks in the memory space,
each of the service defining blocks including a service definition data and an access right data
which defines said access right to the user blocks; and

~~a PIN-code service defining step of defining a PIN-code service which verifies a PIN~~
~~code before performing the service.~~

verifying a PIN code before the service is provided and via a PIN-code service
definition block in the memory space for defining a PIN-code service, wherein

the PIN-code service defining block includes a PIN-code service block configured to
store PIN-code service data so that the PIN-code or the necessity to input the PIN-code vary
from one access right to another relative to the corresponding user block, and

the one or more user blocks are accessed by using any of the corresponding two or
more service defining blocks.

Claim 8 (Currently Amended): A method according to Claim 7, further comprising
~~an area defining step of defining an area including one or more service memory fields~~
~~provided in the memory space~~ defining an area including one or more service memory fields
provided in the memory space.

Claim 9 (Original): A method according to Claim 8, wherein, in the PIN-code service
defining step, a PIN-code service which verifies a PIN code before accessing the area is
defined.

Claim 10 (Original): A method according to Claim 7, further comprising an overlap-
service defining step of defining another service applied to the service memory field which
has already been provided in the service defining step.

Claim 11 (Original): A method according to Claim 10, wherein, in the PIN-code service defining step, a PIN-code service which verifies a PIN code before performing said overlapped another service is defined.

Claim 12 (Original): A method according to Claim 7, further comprising a verification control step of setting verification of PIN code performed by the PIN-code service to effective or ineffective.